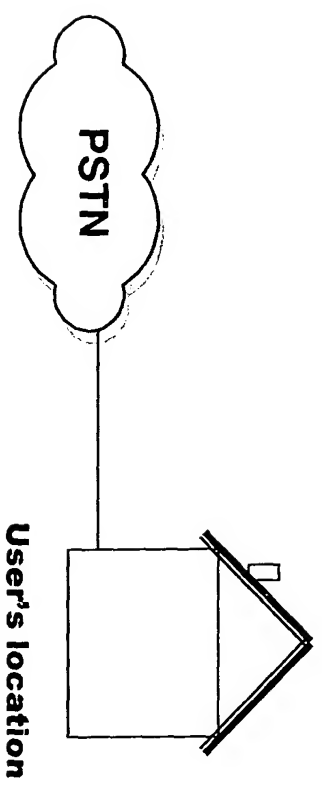


**Fig 1**

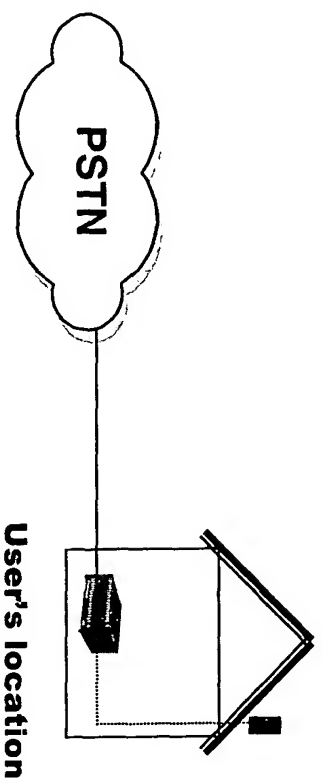


**Today's current setup: A user connected to the PSTN**

**PSTN: Public Switched Telephony Network**

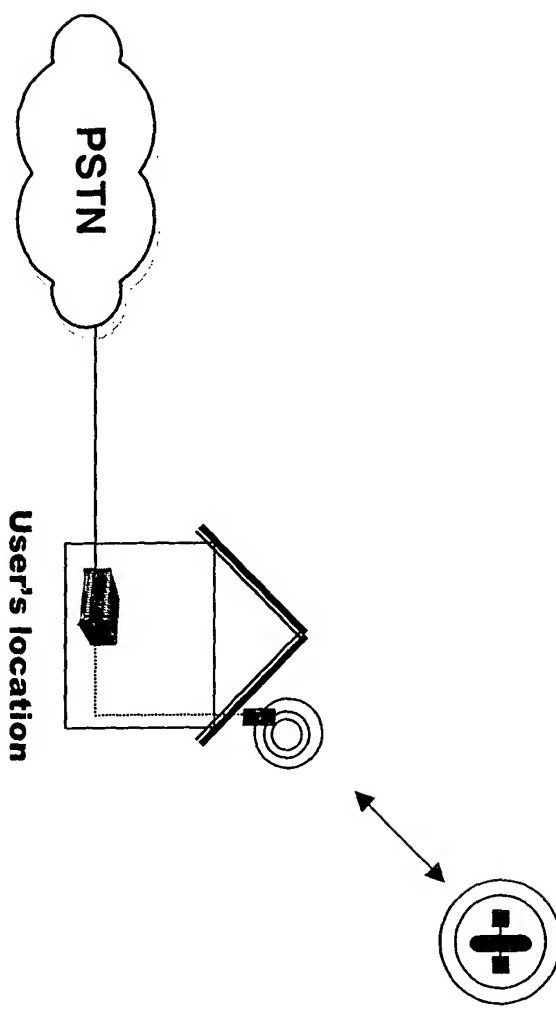
**Fig 2**

**A processing device installed at the user's location**

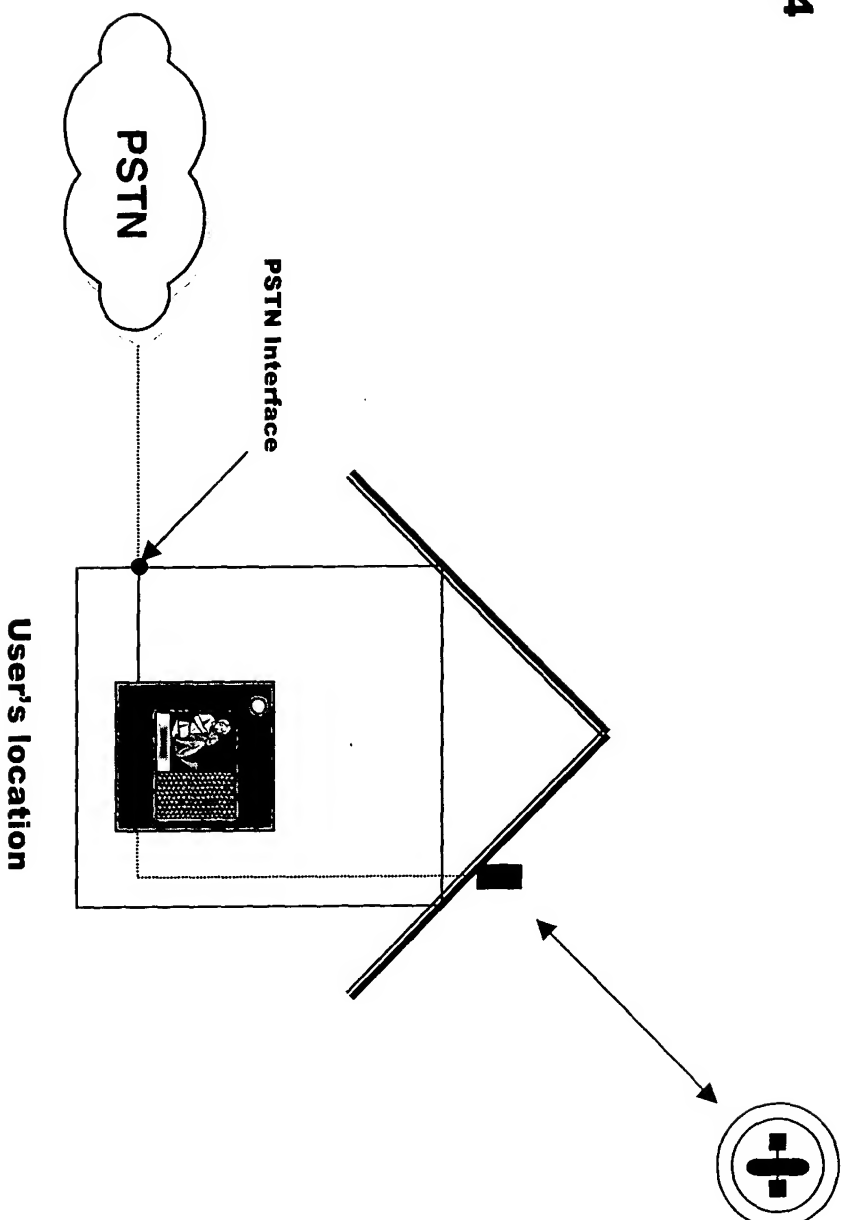


**A processing device installed at the user's location to transmit and receive call data from a wireless system  
And to transmit and receive call data from the PSTN. The link between the wireless system and the PSTN is  
through this processing device.**

**Fig 3**

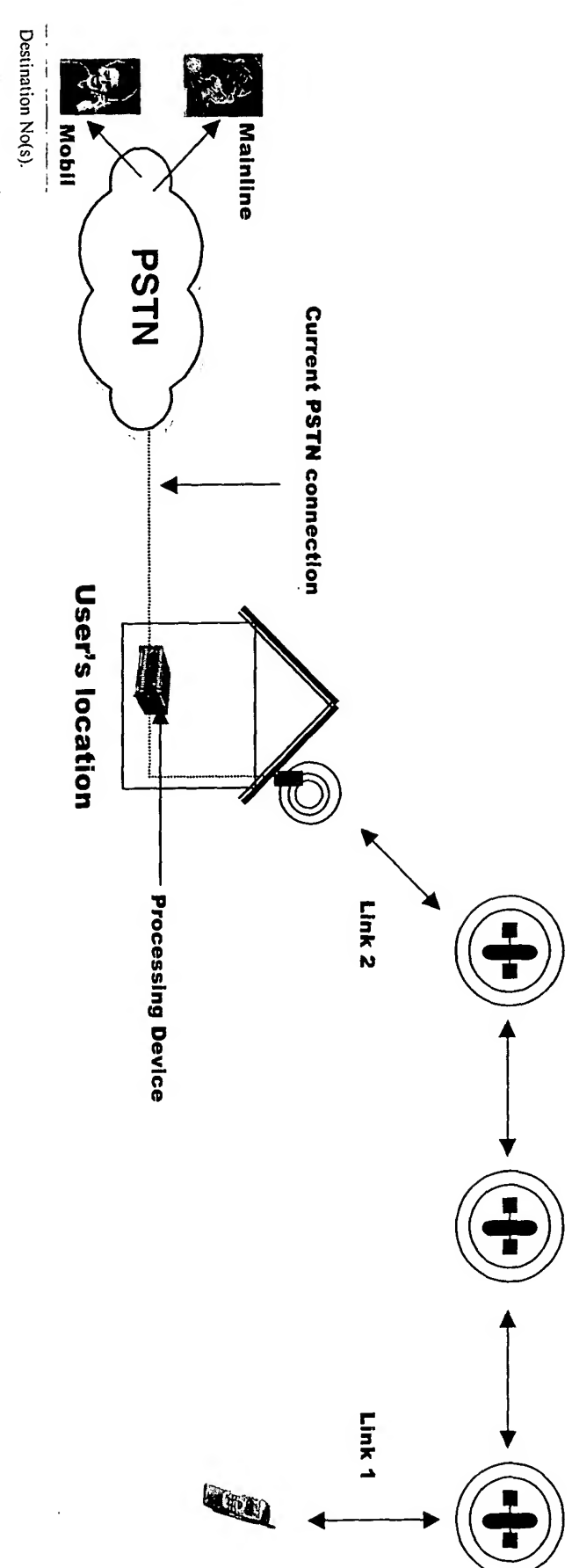


**Fig 4**



**The base station sited at a user's premise.**

**Fig 5**



- A mobile unit initiates a call. The call is transmitted to the satellite (Link 1)  
(Uplink being defined as signals travelling from the mobile unit to the satellite)
- The sat llite(s) receives circuit data.
- Sat llit downloads circuit data to the sender's processing device (Link 2)  
(Downlink being defined as signals travelling from the satellite to the user's site)
- Processing device is in receipt of desired phone number and dials into the PSTN.